W. Alvarado

Re-run

RAW SEQUENCE LISTING DATE: 09/17/2002
PATENT APPLICATION: US/09/555,275A TIME: 14:14:45

Input Set : N:\paola\US09555275A.RAW
Output Set: N:\CRF4\09172002\I555275A.raw

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      1 <110> APPLICANT: Commonwealth Scientific and Industrial Research Organisation
      2 <120> TITLE OF INVENTION: Method of Designing Agonists and Antagonists to IGF
      3       Receptor
      4 <130> FILE REFERENCE: 050179-0081
C-->  5 <140> CURRENT APPLICATION NUMBER: US/09/555,275A
C-->  6 <141> CURRENT FILING DATE: 2001-08-30
      7 <150> PRIOR APPLICATION NUMBER: PCT/AU98/00998
      8 <151> PRIOR FILING DATE: 1998-11-27
      9 <150> PRIOR APPLICATION NUMBER: PP2598
     10 <151> PRIOR FILING DATE: 1998-03-25
     11 <150> PRIOR APPLICATION NUMBER: PP0585
     12 <151> PRIOR FILING DATE: 1997-11-27
     13 <160> NUMBER OF SEQ ID NOS: 16
     14 <170> SOFTWARE: PatentIn version 3.1
     16 <210> SEQ ID NO: 1
     17 <211> LENGTH: 150
     18 <212> TYPE: PRT
     19 <213> ORGANISM: Homo sapiens
     20 <400> SEQUENCE: 1
     21       Glu Ile Cys Gly Pro Gly Ile Asp Ile Arg Asn Asp Tyr Gln Gln Leu
     22       1               5                   10                  15
     23       Lys Arg Leu Glu Asn Cys Thr Val Ile Glu Gly Tyr Leu His Ile Leu
     24                   20                  25                  30
     25       Leu Ile Ser Lys Ala Glu Asp Tyr Arg Ser Tyr Arg Phe Pro Lys Leu
     26               35                  40                  45
     27       Thr Val Ile Thr Glu Tyr Leu Leu Leu Phe Arg Val Ala Gly Leu Glu
     28           50                  55                  60
     29       Ser Leu Gly Asp Leu Phe Pro Asn Leu Thr Val Ile Arg Gly Trp Lys
     30       65                  70                  75                  80
     31       Leu Phe Tyr Asn Tyr Ala Leu Val Ile Phe Glu Met Thr Asn Leu Lys
     32                       85                  90                  95
     33       Asp Ile Gly Leu Tyr Asn Leu Arg Asn Ile Thr Arg Gly Ala Ile Arg
     34                   100                 105                 110
     35       Ile Glu Lys Asn Ala Asp Leu Cys Tyr Leu Ser Thr Val Asp Trp Ser
     36               115                 120                 125
     37       Leu Ile Leu Asp Ala Val Ser Asn Asn Tyr Ile Val Gly Asn Lys Pro
     38           130                 135                 140
     39       Pro Lys Glu Cys Gly Asp
     40       145                 150
     42 <210> SEQ ID NO: 2
     43 <211> LENGTH: 157
     44 <212> TYPE: PRT
     45 <213> ORGANISM: Homo sapiens
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RAW SEQUENCE LISTING DATE: 09/17/2002
PATENT APPLICATION: US/09/555,275A TIME: 14:14:45

Input Set : N:\paola\US09555275A.RAW
Output Set: N:\CRF4\09172002\I555275A.raw

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     <400> SEQUENCE: 2
           His Leu Tyr Pro Gly Glu Val Cys Pro Gly Met Asp Ile Arg Asn Asn
           1               5                   10                  15
           Leu Thr Arg Leu His Glu Leu Glu Asn Cys Ser Val Ile Glu Gly His
                       20                  25                  30
           Leu Gln Ile Leu Leu Met Phe Lys Thr Arg Pro Glu Asp Phe Arg Asp
                   35                  40                  45
           Leu Ser Phe Pro Lys Leu Ile Met Ile Thr Asp Tyr Leu Leu Leu Phe
               50                  55                  60
           Arg Val Tyr Gly Leu Glu Ser Leu Lys Asp Leu Phe Pro Asn Leu Thr
           65                  70                  75                  80
           Val Ile Arg Gly Ser Arg Leu Phe Phe Asn Tyr Ala Leu Val Ile Phe
                           85                  90                  95
           Glu Met Val His Leu Lys Glu Leu Gly Leu Tyr Asn Leu Met Asn Ile
                       100                 105                 110
           Thr Arg Gly Ser Val Arg Ile Glu Lys Asn Asn Glu Leu Cys Tyr Leu
                   115                 120                 125
           Ala Thr Ile Asp Trp Ser Arg Ile Leu Asp Ser Val Glu Asp Asn His
               130                 135                 140
           Ile Val Leu Asn Lys Asp Asp Asn Glu Glu Cys Gly Asp
           145                 150                 155
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     <211> LENGTH: 165
     <212> TYPE: PRT
     <213> ORGANISM: Homo sapiens
     <220> FEATURE:
     <221> NAME/KEY: MISC_FEATURE
     <222> LOCATION: (15)..(24)
     <223> OTHER INFORMATION: Protein sequence known but not provided in Figure 6a
     <220> FEATURE:
     <221> NAME/KEY: MISC_FEATURE
     <222> LOCATION: (109)..(110)
     <223> OTHER INFORMATION: Protein sequence known but not provided in Figure 6a
     <400> SEQUENCE: 3
W--> Leu Glu Glu Lys Lys Val Cys Gln Gly Thr Ser Asn Lys Leu Xaa Xaa
     1               5                   10                  15
W--> Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe Leu Ser Leu Gln Arg Met Phe Asn
                 20                  25                  30
     Asn Cys Glu Val Val Leu Gly Asn Leu Glu Ile Thr Tyr Val Gln Arg
             35                  40                  45
     Asn Tyr Asp Leu Ser Phe Leu Lys Thr Ile Gln Glu Val Ala Gly Tyr
         50                  55                  60
     Val Leu Ile Ala Leu Asn Thr Val Glu Arg Ile Pro Leu Glu Asn Leu
     65                  70                  75                  80
     Gln Ile Ile Arg Gly Asn Met Tyr Tyr Glu Asn Ser Tyr Ala Leu Ala
                     85                  90                  95
W--> Val Leu Ser Asn Tyr Asp Ala Asn Lys Thr Gly Leu Xaa Xaa Lys Pro
                 100                 105                 110
     Met Arg Asn Leu Gln Glu Ile Leu His Gly Ala Val Arg Phe Ser Asn
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RAW SEQUENCE LISTING DATE: 09/17/2002
PATENT APPLICATION: US/09/555,275A TIME: 14:14:45

Input Set : N:\paola\US09555275A.RAW
Output Set: N:\CRF4\09172002\I555275A.raw

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96                115                 120                 125
97        Asn Pro Ala Leu Cys Asn Val Glu Ser Ile Gln Trp Arg Asp Ile Val
98            130                 135                 140
99        Ser Ser Asp Phe Leu Ser Asn Met Ser Met Asp Phe Gln Asn His Leu
100        145                 150                 155                 160
101        Gly Ser Cys Gln Lys
102                        165
104 <210> SEQ ID NO: 4
105 <211> LENGTH: 167
106 <212> TYPE: PRT
107 <213> ORGANISM: Homo sapiens
108 <220> FEATURE:
109 <221> NAME/KEY: MISC_FEATURE
110 <222> LOCATION: (11)..(17)
111 <223> OTHER INFORMATION: Protein sequence known but not provided in Figure 6a
112 <220> FEATURE:
113 <221> NAME/KEY: MISC_FEATURE
114 <222> LOCATION: (44)..(50)
115 <223> OTHER INFORMATION: Protein sequence known but not provided in Figure 6a
116 <400> SEQUENCE: 4
W--> 117        Lys Val Cys Asn Gly Ile Gly Ile Gly Glu Xaa Xaa Xaa Xaa Xaa Xaa
118        1               5                   10                  15
W--> 119        Xaa Asn Ala Thr Asn Ile Lys His Phe Lys Asn Cys Thr Ser Ile Ser
120                    20                  25                  30
W--> 121        Gly Asp Leu His Ile Leu Pro Val Ala Phe Arg Xaa Xaa Xaa Xaa Xaa
122                35                  40                  45
W--> 123        Xaa Xaa Pro Pro Leu Asp Pro Gln Glu Leu Asp Ile Leu Lys Thr Val
124            50                  55                  60
125        Lys Glu Ile Thr Gly Phe Leu Leu Ile Gln Ala Trp Pro Glu Asn Arg
126        65                  70                  75                  80
127        Thr Asp Leu His Ala Phe Glu Asn Leu Glu Ile Ile Arg Gly Arg Thr
128                        85                  90                  95
129        Lys Gln His Gly Gln Phe Ser Leu Ala Val Val Ser Leu Asn Ile Thr
130                    100                 105                 110
131        Ser Leu Gly Leu Arg Ser Leu Lys Glu Ile Ser Asp Gly Asp Val Ile
132                115                 120                 125
133        Ile Ser Gly Asn Lys Asn Leu Cys Tyr Ala Asn Thr Ile Asn Trp Lys
134            130                 135                 140
135        Lys Leu Phe Gly Thr Ser Gly Gln Lys Thr Lys Ile Ile Ser Asn Arg
136        145                 150                 155                 160
137        Gly Glu Asn Ser Cys Lys Ala
138                        165
140 <210> SEQ ID NO: 5
141 <211> LENGTH: 161
142 <212> TYPE: PRT
143 <213> ORGANISM: Homo sapiens
144 <400> SEQUENCE: 5
145        Lys Val Cys His Leu Leu Glu Gly Glu Lys Thr Ile Asp Ser Val Thr
146        1               5                   10                  15
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RAW SEQUENCE LISTING DATE: 09/17/2002
PATENT APPLICATION: US/09/555,275A TIME: 14:14:45

Input Set : N:\paola\US09555275A.RAW
Output Set: N:\CRF4\09172002\I555275A.raw

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147       Ser Ala Gln Glu Leu Arg Gly Cys Thr Val Ile Asn Gly Ser Leu Ile
148                   20                  25                  30
149       Ile Asn Ile Arg Gly Gly Asn Asn Leu Ala Ala Glu Leu Glu Ala Asn
150               35                  40                  45
151       Leu Gly Leu Ile Glu Glu Ile Ser Gly Tyr Leu Lys Ile Arg Arg Ser
152           50                  55                  60
153       Tyr Ala Leu Val Ser Leu Ser Phe Phe Arg Lys Leu Arg Leu Ile Arg
154       65                  70                  75                  80
155       Gly Glu Thr Leu Glu Ile Gly Asn Tyr Ser Phe Tyr Ala Leu Asp Asn
156                       85                  90                  95
157       Gln Asn Leu Arg Gln Leu Trp Asp Trp Ser Lys His Asn Leu Thr Ile
158                   100                 105                 110
159       Thr Gln Gly Lys Leu Phe Phe His Tyr Asn Pro Lys Leu Cys Leu Ser
160               115                 120                 125
161       Glu Ile His Lys Met Glu Glu Val Ser Gly Thr Lys Gly Arg Gln Glu
162           130                 135                 140
163       Arg Asn Asp Ile Ala Leu Lys Thr Asn Gly Asp Lys Ala Ser Cys Glu
164       145                 150                 155                 160
165       Asn
167 <210> SEQ ID NO: 6
168 <211> LENGTH: 161
169 <212> TYPE: PRT
170 <213> ORGANISM: Homo sapiens
171 <400> SEQUENCE: 6
172       Lys Val Cys Glu Glu Glu Lys Lys Thr Lys Thr Ile Asp Ser Val Thr
173       1               5                   10                  15
174       Ser Ala Gln Met Leu Gln Gly Cys Thr Ile Phe Lys Gly Asn Leu Leu
175                   20                  25                  30
176       Ile Asn Ile Arg Arg Gly Asn Asn Ile Ala Ser Glu Leu Glu Asn Phe
177               35                  40                  45
178       Met Gly Leu Ile Glu Val Val Thr Gly Tyr Val Lys Ile Arg His Ser
179           50                  55                  60
180       His Ala Leu Val Ser Leu Ser Phe Leu Lys Asn Leu Arg Leu Ile Leu
181       65                  70                  75                  80
182       Gly Glu Glu Gln Leu Glu Gly Asn Tyr Ser Phe Tyr Val Leu Asp Asn
183                       85                  90                  95
184       Gln Asn Leu Gln Gln Leu Trp Asp Trp Asp His Arg Asn Leu Thr Ile
185                   100                 105                 110
186       Lys Ala Gly Lys Met Tyr Phe Ala Phe Asn Pro Lys Leu Cys Val Ser
187               115                 120                 125
188       Glu Ile Tyr Arg Met Glu Glu Val Thr Gly Thr Lys Gly Arg Gln Ser
189           130                 135                 140
190       Lys Gly Asp Ile Asn Thr Arg Asn Asn Gly Glu Arg Ala Ser Cys Glu
191       145                 150                 155                 160
192       Ser
194 <210> SEQ ID NO: 7
195 <211> LENGTH: 150
196 <212> TYPE: PRT
197 <213> ORGANISM: Homo sapiens
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RAW SEQUENCE LISTING DATE: 09/17/2002
PATENT APPLICATION: US/09/555,275A TIME: 14:14:45

Input Set : N:\paola\US09555275A.RAW
Output Set: N:\CRF4\09172002\I555275A.raw

<400> SEQUENCE: 7
Asp Leu Cys Pro Gly Thr Met Glu Glu Lys Pro Met Cys Glu Lys Thr
1 5 10 15
Thr Ile Asn Asn Glu Tyr Asn Tyr Arg Cys Trp Thr Thr Asn Arg Cys
20 25 30
Gln Lys Met Cys Pro Ser Thr Cys Gly Lys Arg Ala Cys Thr Glu Asn
35 40 45
Asn Glu Cys Cys His Pro Glu Cys Leu Gly Ser Cys Ser Ala Pro Asp
50 55 60
Asn Asp Thr Ala Cys Val Ala Cys Arg His Tyr Tyr Tyr Ala Gly Val
65 70 75 80
Cys Val Pro Ala Cys Pro Pro Asn Thr Tyr Arg Phe Glu Gly Trp Arg
85 90 95
Cys Val Asp Arg Asp Phe Cys Ala Asn Ile Leu Ser Ala Glu Ser Ser
100 105 110
Asp Ser Glu Gly Phe Val Ile His Asp Gly Glu Cys Met Gln Glu Cys
115 120 125
Pro Ser Gly Phe Ile Arg Asn Gly Ser Gln Ser Met Tyr Cys Ile Pro
130 135 140
Cys Glu Gly Pro Cys Pro
145 150

<210> SEQ ID NO: 8
<211> LENGTH: 153
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 8
Asp Ile Cys Pro Gly Thr Ala Lys Gly Lys Thr Asn Cys Pro Ala Thr
1 5 10 15
Val Ile Asn Gly Gln Phe Val Glu Arg Cys Trp Thr His Ser His Cys
20 25 30
Gln Lys Val Cys Pro Thr Ile Cys Lys Ser His Gly Cys Thr Ala Glu
35 40 45
Gly Leu Cys Cys His Ser Glu Cys Leu Gly Asn Cys Ser Gln Pro Asp
50 55 60
Asp Pro Thr Lys Cys Val Ala Cys Arg Asn Phe Tyr Leu Asp Gly Arg
65 70 75 80
Cys Val Glu Thr Cys Pro Pro Pro Tyr Tyr His Phe Gln Asp Trp Arg
85 90 95
Cys Val Asn Phe Ser Phe Cys Gln Asp Leu His His Lys Cys Lys Asn
100 105 110
Ser Arg Arg Gln Gly Cys His Gln Tyr Val Ile His Asn Asn Lys Cys
115 120 125
Ile Pro Glu Cys Pro Ser Gly Tyr Thr Met Asn Ser Ser Asn Leu Leu
130 135 140
Cys Thr Pro Cys Leu Gly Pro Cys Pro
145 150

<210> SEQ ID NO: 9
<211> LENGTH: 146
<212> TYPE: PRT

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/17/2002
PATENT APPLICATION: US/09/555,275A TIME: 14:14:46

Input Set : N:\paola\US09555275A.RAW
Output Set: N:\CRF4\09172002\I555275A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 15,16,17,18,19,20,21,22,23,109,110
Seq#:4; Xaa Pos. 11,12,13,14,15,16,17,44,45,46,47,48,49,50

VERIFICATION SUMMARY DATE: 09/17/2002
PATENT APPLICATION: US/09/555,275A TIME: 14:14:46

Input Set : N:\paola\US09555275A.RAW
Output Set: N:\CRF4\09172002\I555275A.raw

L:5 M:270 C: Current Application Number differs, Wrong Format
L:6 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:16
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:96
L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:32
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:48